



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES, AND  
TOXIC SUBSTANCES

April 26, 2001

**MEMORANDUM**

**SUBJECT:** Azinphos-methyl. Revised Monte Carlo Assessment to include PDP apple single serving data (Case No. 0235; Chemical No. 058001). DPBarcode D274414. No MRID No.

**FROM:** Felecia Fort, Chemist  
Reregistration Branch I  
Health Effects Division (7509C)

**THRU:** Sheila Piper, Chemist and Thomas Bloem, Chemist  
Dietary Exposure SAC  
and  
Whang Phang, Ph.D., Branch Senior Scientist  
Reregistration Branch I  
Health Effects Division (7509C)

**TO:** Veronique LaCapra/Margaret Rice  
Reregistration Branch II  
Special Review and Reregistration Division (7508C)

**Action Requested**

The Health Effects Division has been asked to revise the acute dietary exposure assessment to include apple single serving Pesticide Data Program (PDP) residue data. The inclusion of this data is the only change that has been made to the acute dietary assessment since the last analysis was conducted (May 12, 1999, D255395).

Azinphos-methyl is an organophosphate pesticide used on numerous crop groups in agriculture. The previous risk estimate for chronic dietary exposure from the registered uses of azinphos-methyl, demonstrated that the risks did not exceed HED's level of concern. As such, the chronic dietary exposure assessment is not addressed in this memorandum.

## **Executive Summary**

The results of the revised probabilistic analysis incorporating apple single serving PDP residue data are presented in Table 2. These results show a significant reduction in the % aPAD at the 99.9th percentile of exposure for all population subgroups. In the previously conducted analysis (May 1999), the acute dietary risk estimates indicated that acute exposure to azinphos-methyl was of concern for children (1-6 years old) i.e., greater than 100% aPAD. The current assessment demonstrates that acute exposure to azinphos-methyl is no longer of concern for children (1-6 years old) or any other population subgroup. The highest exposed population subgroup is all infants and children (1-6 years old) at 83% and 80% of the aPAD, respectively.

## **DETAILED CONSIDERATIONS**

### **Toxicology Information**

For the acute dietary exposure analysis, the toxicological endpoint selected was the Lowest Observed Adverse Effect Level (LOAEL) based on plasma, erythrocyte, and brain cholinesterase inhibition from an acute neurotoxicity study in rats (1.0 mg/kg/day) (Table 1). The LOAEL was selected because a No Observed Adverse Effect Level (NOAEL) was not established in the study. The uncertainty factor used in this assessment was 300 and resulted in an acute RfD of 0.003 mg/kg/day (HAZID Committee 7/7/98).

The HED FQPA Safety Factor Committee (FQPA Safety Factor Recommendations for the Organophosphates, 8/18/98) determined that when assessing acute and chronic dietary exposures, the safety factor should be removed because the toxicology data base is complete, developmental and reproductive studies in animals showed no increased susceptibility in fetuses or pups, and the data did not indicate abnormalities in the development of the fetal nervous systems.

**Table 1: Azinphos-methyl Acute Toxicity Endpoint**

EXPOSURE SCENARIO	DOSE (mg/kg/day)	RfD PAD	ENDPOINT	STUDY
Acute Dietary	LOAEL= 1 mg/kg UF = 300 FQPA SF = 1	aRfD = 0.003 mg/kg aPAD = 0.003 mg/kg/day	neurobehavioral effects and inhibition of plasma, red blood cell, and brain cholinesterase	Acute neurotoxicity study - rat

### **Usage Information**

BEAD provided information (T. Kiely, 4/2/99) on the percent crop treated (%CT). For the acute analysis, the estimated maximum %CT was used when appropriate.

In the acute analysis (except blended commodities) the adjustment for %CT is incorporated in the residue distribution files (RDFs) via addition of zero residue values corresponding to the % of crop not treated. For blended/not furthered processed commodities, the entire distribution of monitoring data with no further

adjustment for %CT were used. For blended/processed commodities where monitoring data are available and for all blended commodities where field trial data were used, %CT is incorporated into a point estimate.

## Residue Data

Tolerances for residues of azinphos-methyl are expressed in terms of azinphos-methyl per se. A 40 CFR 180.6(a)(3) situation exists for azinphos methyl residues in livestock commodities. Current tolerances for residues of azinphos methyl on ruminant tissues and milk have been recommended for revocation. Livestock commodities were not considered in this analysis.

In the previous assessment, single serving pear data were translated to apples because the single serving apple data were not available. It has been previously determined that apples are the largest contributor to the acute dietary risk. In the current assessment, apple single-serving data were from the 1999 USDA PDP. PDP analyzed 387 apple samples and detected residues in 229 samples. BEAD estimated that 88% of apples are treated with azinphos-methyl. Based on these results, a RDF was created as follows:

ssapplesfpdp99					
88% CT					
TOTALZ=46					
TOTALFREQ=2					
101, .01	0.11	0.062	0.044	0.034	0.024
112, .006	0.1	0.061	0.044	0.034	0.024
0.27	0.1	0.058	0.043	0.034	0.024
0.24	0.1	0.058	0.043	0.032	0.023
0.17	0.1	0.058	0.043	0.032	0.023
0.16	0.099	0.057	0.043	0.032	0.022
0.15	0.097	0.056	0.042	0.032	0.022
0.15	0.095	0.055	0.042	0.031	0.022
0.15	0.094	0.055	0.04	0.03	0.022
0.14	0.093	0.055	0.04	0.029	0.022
0.13	0.093	0.054	0.04	0.029	0.021
0.13	0.092	0.052	0.039	0.028	0.021
0.13	0.089	0.051	0.038	0.028	0.021
0.13	0.083	0.051	0.037	0.028	0.02
0.12	0.082	0.05	0.037	0.028	0.02
0.12	0.075	0.05	0.036	0.027	0.02
0.12	0.075	0.049	0.036	0.026	0.02
0.12	0.073	0.049	0.036	0.026	0.02
0.12	0.066	0.046	0.035	0.026	0.02
0.11	0.065	0.046	0.035	0.025	0.02
0.11	0.063	0.046	0.035	0.025	0.02
0.11	0.063	0.044	0.035		

## Consumption Data

HED conducts dietary risk assessments using the Dietary Exposure Evaluation Model (DEEM™), which incorporates consumption data generated in USDA's Continuing Surveys of Food Intakes by Individuals (CSFII), 1989-1992. For the acute dietary risk assessment, the entire distribution of consumption events for individuals is multiplied by a randomly selected distribution of residues (probabilistic analysis, referred to as "Monte Carlo" ) to obtain a distribution of exposures in mg/kg/day.

## **Results**

The results of the revised probabilistic analysis incorporating apple single serving PDP residue data are shown in Table 2. These results show a significant reduction in the % aPAD at the 99.9th percentile of exposure for the all population subgroups. In the previously conducted analysis (May 1999), the acute dietary risk estimates indicated that acute exposure to azinphos-methyl was of concern for children(1-6 years old) i.e., acute exposure greater than 100% aPAD. The current assessment demonstrates that acute exposure to azinphos-methyl is no longer of concern for children (1-6 years old) or any other population subgroup. The highest exposed population subgroup is all infants and children(1-6 years old) at 83% and 80% of the aPAD, respectively.

Table 2. Probabilistic Analysis Results at the 99.9th Percentile				
Population subgroup	HED Analysis - Previous assessment		HED Analysis- Current Assessment	
	Exposure (mg/kg bwt-day)	%RfD	Exposure (mg/kg bwt-day)	%RfD
U.S. Population	0.001725	58	0.001285	43
All infants (<1 year)	0.002865	96	0.002504	83
Children (1-6 years)	0.003851	130	0.002403	80
Children (7-12 years)	0.002631	88	0.001595	53
Females (13-50 years)	0.001272	42	0.000866	29
Males (13-19 years)	0.001198	40	0.000798	27
Males (20+ years)	0.00113	38	0.000814	27
Seniors 55+	0.001304	43	0.000999	33

The aPAD used was 0.003 mg/kg/day

Attachment 1: Current assessment - Residue File and Results

Attachment 2: Previous assessment - Residue File and Results

cc: Reviewer(F. Fort), M. Rice(SRRD), DEEM Files

RDI:W.Phang: 4/25/01

7509C:RRB1:CM#2:Rm722H:305-7478

FAFort/FF:4/26/01

Disk:2001AZMrevised

**ATTACHMENT 1**

### **Current Assessment - Residue File**

U. S. Environmental Protection Agency

Ver. 7.72

## DEEM Acute analysis for AZINPHOS METHYL

Residue file name: E:\MAX\_NEW\\$newsazmfin4.RS7

Analysis Date 03-29-2001

Residue file dated: 03-29-2001/17:17:23/8

Reference dose: aRfD = 0.003 mg/kg bw/day NOEL = 1 mg/kg bw/day

Comment: New BEAD %CT(March 1999) and using est. Maximum

## RDL indices and parameters for Monte Carlo Analysis:

Index	Dist	Parameter #1	Param #2	Param #3	Comment
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# Code

1	6	1fdarasp. rdf			
2	6	1fdablub. rdf			
3	6	Grpehans. rdf			
4	6	1fdastrw. rdf			
5	6	Grfrhans. rdf			
6	6	Lemohans. rdf			
7	6	Ci trhans. rdf			
8	6	ssappl e2. rdf			
9	6	Pdpappj c. rdf			
10	6	sspear2. rdf			
11	6	Peachan2. rdf			
12	6	TomaFres. rdf			
13	6	Cel ehans. rdf			
14	6	Brochans. rdf			
15	6	Brushans. rdf			
16	6	Cabboth. rdf			
17	6	Caul hans. rdf			
18	6	Dryoni on. rdf			
19	6	Groni on. rdf			
20	6	Pdpoj . rdf			
21	6	Sscrabap. rdf			
22	6	Ornghans. rdf			
23	6	Ssquinc. rdf			
24	6	Grbn. rdf			
25	6	mel on. rdf			
26	6	cucumb. rdf			
27	6	Cantel op. rdf			
28	6	Nectarin. rdf			
29	6	Pl umhans. rdf			
30	6	potato. rdf			
31	6	TomaProc. rdf			
32	6	honeyde. rdf			
33	6	Scherry. rdf			
34	6	Tcherry. rdf			
35	6	ssappl e29March01. rdf			

Food Code	Crop Grp	Food Name	Def Res (ppm)	Adj. Factors #1	Adj. Factors #2	RDL Ind
1	13A	Blackberries				
		11-Uncooked	0.730000	0.370	1.000	1
		13-Baked	0.730000	0.370	1.000	1
		14-Boiled	0.730000	0.370	1.000	1
		31-Canned: NFS	0.730000	0.140	1.000	1
		34-Canned: Boiled	0.730000	0.140	1.000	1
		41-Frozen: NFS	0.730000	0.310	1.000	1
2	13A	Boysenberries	0.730000	0.370	1.000	1
3	13A	Dewberries	0.730000	0.370	1.000	1
4	13A	Loganberries	0.730000	0.370	1.000	1
5	13A	Raspberries				
		11-Uncooked	0.730000	0.370	1.000	1

		13-Baked	0. 730000	0. 370	1. 000	1
		14-Boiled	0. 730000	0. 370	1. 000	1
		31-Canned: NFS	0. 730000	0. 140	1. 000	1
		34-Canned: Boiled	0. 730000	0. 140	1. 000	1
		41-Frozen: NFS	0. 730000	0. 140	1. 000	1
7 13B	Bl ueberries					
		11-Uncooked	0. 300000	0. 370	1. 000	2
		12-Cooked: NFS	0. 300000	0. 370	1. 000	2
		13-Baked	0. 300000	0. 370	1. 000	2
		14-Boiled	0. 300000	0. 370	1. 000	2
		15-Fried	0. 300000	0. 370	1. 000	2
		31-Canned: NFS	0. 300000	0. 140	1. 000	2
		41-Frozen: NFS	0. 300000	0. 310	1. 000	2
8 0	Cranberries					
		11-Uncooked	0. 020000	0. 370	1. 000	
		12-Cooked: NFS	0. 020000	0. 370	1. 000	
		13-Baked	0. 020000	0. 370	1. 000	
		18-Dried	0. 020000	0. 370	1. 000	
		31-Canned: NFS	0. 020000	0. 140	1. 000	
		42-Frozen: Cooked	0. 020000	0. 310	1. 000	
9 0	Cranberries-juice					
13 0	Grapes					
		11-Uncooked	7. 200000	1. 000	1. 000	3
		12-Cooked: NFS	7. 200000	1. 000	1. 000	3
		14-Boiled	0. 000000	1. 000	1. 000	
		31-Canned: NFS	0. 330000	0. 380	1. 000	3
		41-Frozen: NFS	0. 330000	0. 860	1. 000	3
14 0	Grapes-raisins					
15 0	Grapes-juice					
17 0	Strawberries					
		11-Uncooked	1. 300000	0. 370	1. 000	4
		12-Cooked: NFS	0. 432000	0. 370	1. 000	4
		13-Baked	0. 432000	0. 370	1. 000	4
		14-Boiled	0. 432000	0. 370	1. 000	4
		31-Canned: NFS	0. 432000	0. 140	1. 000	4
		34-Canned: Boiled	0. 432000	0. 140	1. 000	4
		41-Frozen: NFS	0. 432000	0. 310	1. 000	4
20 10	Citrus-citron					
22 10	Grapefruit-peeled fruit					
23 10	Grapefruit-juice					
24 10	Kumquats					
26 10	Lemons-peeled fruit					
27 10	Lemons-peel					
28 10	Lemons-juice					
30 10	Limes-peeled fruit					
31 10	Limes-peel					
32 10	Limes-juice					
33 10	Oranges-juice-concentrate					
34 10	Oranges-peeled fruit					
35 10	Oranges-peel					
36 10	Oranges-juice					
		11-Uncooked	0. 013000	1. 000	1. 000	20
		12-Cooked: NFS	0. 013000	1. 000	1. 000	20
		14-Boiled	0. 000000	1. 800	1. 000	
		31-Canned: NFS	0. 013000	1. 000	1. 000	20
		41-Frozen: NFS	0. 013000	1. 000	1. 000	20
37 10	Tangelos					
38 10	Tangerines					
39 10	Tangerines-juice					
40 14	Almonds					
44 14	Filberts (hazel nuts)					

47	14	Pecans		0. 001200	1. 000	1. 000	
48	14	Wal nuts		0. 029200	1. 000	1. 000	
50	0	Pi stachio nuts		0. 001200	1. 000	1. 000	
52	11	Appl es					
		11-Uncooked		1. 270000	1. 000	1. 000	35
		12-Cooked: NFS		1. 270000	1. 000	1. 000	35
		13-Baked		1. 270000	1. 000	1. 000	35
		14-Boi led		0. 037000	0. 360	1. 000	35
		15-Fri ed		1. 270000	1. 000	1. 000	35
		18-Dri ed		0. 000000	1. 000	1. 000	
		31-Canned: NFS		0. 037000	0. 360	1. 000	35
		32-Canned: Cooked		0. 037000	0. 360	1. 000	35
		33-Canned: Baked		0. 037000	0. 360	1. 000	35
		34-Canned: Boi led		0. 037000	0. 360	1. 000	35
		42-Frozen: Cooked		0. 153000	0. 360	1. 000	35
53	11	Appl es-dri ed		0. 153000	5. 840	1. 000	35
54	11	Appl es-j ui ce/ci der		0. 010000	1. 000	1. 000	9
55	11	Crabappl es		1. 270000	1. 000	1. 000	21
56	11	Pears					
		11-Uncooked		1. 270000	1. 000	1. 000	10
		12-Cooked: NFS		0. 059000	1. 000	1. 000	
		13-Baked		1. 270000	1. 000	1. 000	10
		14-Boi led		0. 059000	1. 000	1. 000	
		31-Canned: NFS		0. 059000	0. 360	1. 000	
57	11	Pears-dri ed					
		13-Baked		0. 150000	5. 800	1. 000	10
		14-Boi led		0. 059000	5. 800	1. 000	10
		18-Dri ed		0. 000000	1. 000	1. 000	
58	11	Qui nces		1. 270000	1. 000	1. 000	23
61	12	Cherri es					
		11-Uncooked		1. 190000	0. 370	1. 000	33
		12-Cooked: NFS		1. 640000	0. 370	1. 000	34
		13-Baked		1. 640000	0. 370	1. 000	34
		14-Boi led		1. 640000	0. 370	1. 000	34
		31-Canned: NFS		1. 640000	0. 037	1. 000	34
		33-Canned: Baked		1. 640000	0. 037	1. 000	34
		41-Frozen: NFS		1. 640000	0. 310	1. 000	34
62	12	Cherri es-dri ed		1. 190000	2. 160	1. 000	33
63	12	Cherri es-j ui ce					
		13-Baked		0. 050000	0. 320	1. 000	
		14-Boi led		0. 050000	0. 320	1. 000	
		31-Canned: NFS		0. 050000	0. 120	1. 000	
		41-Frozen: NFS		0. 050000	0. 280	1. 000	
64	12	Nectari nes		0. 790000	1. 000	1. 000	28
65	12	Peaches					
		11-Uncooked		0. 260000	1. 000	1. 000	11
		12-Cooked: NFS		0. 260000	1. 000	1. 000	11
		13-Baked		0. 260000	1. 000	1. 000	11
		14-Boi led		0. 020000	0. 360	1. 000	
		31-Canned: NFS		0. 020000	0. 360	1. 000	
		41-Frozen: NFS		0. 190000	0. 360	1. 000	11
66	12	Peaches-dri ed		0. 260000	7. 000	1. 000	11
67	12	Pl ums (damsons)					
		11-Uncooked		0. 890000	1. 000	1. 000	29
		12-Cooked: NFS		0. 890000	1. 000	1. 000	29
		31-Canned: NFS		0. 020000	0. 360	1. 000	
		42-Frozen: Cooked		0. 020000	0. 360	1. 000	29
		51-Cured: NFS (smoked/p		0. 020000	1. 000	1. 000	29
68	12	Pl ums-prunes (dri ed)		0. 020000	5. 000	1. 000	29
69	12	Pl ums/prune-j ui ce		0. 010400	1. 400	1. 000	
141	9A	Mel ons-cantal oupes-j ui ce		0. 001500	1. 000	1. 000	

142	9A	Melons-cantaloupes-pulp	0.001500	1.000	1.000	27
143	9A	Casabas	0.001500	1.000	1.000	25
144	9A	Crenshaws	0.001500	0.031	1.000	25
145	9A	Melons-honeydew	0.001500	1.000	1.000	32
146	9A	Melons-persian	0.001500	1.000	1.000	25
147	9A	Watermelon	0.001500	1.000	1.000	25
148	9B	Cucumbers				
		11-Uncooked	0.001500	0.410	1.000	26
		34-Canned: Boiled	0.001500	0.004	1.000	26
		60-Canned: Cured	0.001500	0.004	1.000	26
159	8	Tomatoes-whole				
		11-Uncooked	1.530000	1.000	1.000	12
		12-Cooked: NFS	1.530000	1.000	1.000	12
		13-Baked	1.530000	1.000	1.000	12
		14-Boiled	1.530000	1.000	1.000	12
		15-Fried	1.530000	1.000	1.000	12
		31-Canned: NFS	0.041000	1.000	1.000	31
		32-Canned: Cooked	0.041000	1.000	1.000	31
		33-Canned: Baked	0.041000	1.000	1.000	31
		34-Canned: Boiled	0.041000	1.000	1.000	31
		42-Frozen: Cooked	0.041000	1.000	1.000	31
160	8	Tomatoes-juice				
		31-Canned: NFS	0.003100	0.004	1.000	
		32-Canned: Cooked	0.003100	0.004	1.000	
		34-Canned: Boiled	0.003100	0.004	1.000	
		42-Frozen: Cooked	0.003100	0.316	1.000	
161	8	Tomatoes-puree				
		12-Cooked: NFS	0.003100	0.020	1.000	
		14-Boiled	0.003100	0.020	1.000	
		31-Canned: NFS	0.003100	0.000	1.000	
		32-Canned: Cooked	0.003100	0.000	1.000	
		33-Canned: Baked	0.003100	0.000	1.000	
		34-Canned: Boiled	0.003100	0.000	1.000	
		42-Frozen: Cooked	0.003100	0.014	1.000	
162	8	Tomatoes-paste				
		14-Boiled	0.003100	0.010	1.000	
		31-Canned: NFS	0.003100	0.000	1.000	
		32-Canned: Cooked	0.003100	0.000	1.000	
		33-Canned: Baked	0.003100	0.000	1.000	
		34-Canned: Boiled	0.003100	0.000	1.000	
		42-Frozen: Cooked	0.003100	0.007	1.000	
163	8	Tomatoes-catsup	0.003100	0.020	1.000	
166	4B	Celery				
		11-Uncooked	0.900000	1.000	1.000	13
		12-Cooked: NFS	0.900000	1.000	1.000	13
		13-Baked	0.900000	1.000	1.000	13
		14-Boiled	0.900000	1.000	1.000	13
		15-Fried	0.900000	1.000	1.000	13
		31-Canned: NFS	0.518000	0.830	1.000	13
		32-Canned: Cooked	0.518000	0.830	1.000	13
		34-Canned: Boiled	0.518000	0.830	1.000	13
		42-Frozen: Cooked	0.518000	0.720	1.000	13
168	5A	Broccoli				
		11-Uncooked	0.940000	1.000	1.000	14
		12-Cooked: NFS	0.940000	1.000	1.000	14
		13-Baked	0.940000	1.000	1.000	14
		14-Boiled	0.940000	1.000	1.000	14
		15-Fried	0.940000	1.000	1.000	14
		32-Canned: Cooked	0.010000	0.830	1.000	14
		42-Frozen: Cooked	0.010000	0.720	1.000	14
		44-Frozen: Boiled	0.010000	0.720	1.000	14

169	5A	Brussel s sprouts	0. 750000	1. 000	1. 000	15
170	5A	Cabbage-green and red				
	11-Uncooked	0. 300000	1. 000	1. 000	16	
	12-Cooked: NFS	0. 300000	1. 000	1. 000	16	
	13-Baked	0. 300000	1. 000	1. 000	16	
	14-Boiled	0. 300000	1. 000	1. 000	16	
	15-Fried	0. 300000	1. 000	1. 000	16	
	31-Canned: NFS	0. 010000	0. 830	1. 000	16	
	32-Canned: Cooked	0. 010000	0. 830	1. 000	16	
	51-Cured: NFS (smoked/p	0. 010000	1. 000	1. 000	16	
171	5A	Cauliflower				
	11-Uncooked	0. 940000	1. 000	1. 000	17	
	12-Cooked: NFS	0. 940000	1. 000	1. 000	17	
	14-Boiled	0. 940000	1. 000	1. 000	17	
	15-Fried	0. 940000	1. 000	1. 000	17	
	42-Frozen: Cooked	0. 010000	1. 000	1. 000	17	
195	0	Grapes-leaves	7. 200000	0. 370	1. 000	3
204	3	Leeks	0. 550000	0. 410	1. 000	19
205	3	Onions-dry-bulb (cipollini)				
	11-Uncooked	0. 050000	1. 000	1. 000	18	
	12-Cooked: NFS	0. 050000	1. 000	1. 000	18	
	13-Baked	0. 050000	1. 000	1. 000	18	
	14-Boiled	0. 050000	1. 000	1. 000	18	
	15-Fried	0. 050000	1. 000	1. 000	18	
	31-Canned: NFS	0. 013000	1. 000	1. 000	18	
	32-Canned: Cooked	0. 013000	1. 000	1. 000	18	
	34-Canned: Boiled	0. 013000	1. 000	1. 000	18	
	42-Frozen: Cooked	0. 013000	1. 000	1. 000	18	
	43-Frozen: Baked	0. 013000	1. 000	1. 000	18	
	44-Frozen: Boiled	0. 013000	1. 000	1. 000	18	
	51-Cured: NFS (smoked/p	0. 000000	1. 000	1. 000		
	60-Canned: Cured	0. 013000	1. 000	1. 000	18	
206	3	Onions-dehydrated or dried	0. 013000	9. 000	1. 000	18
207	1C	Potatoes/white-whole	0. 011000	1. 000	0. 200	30
208	1C	Potatoes/white-unspecified	0. 011000	1. 000	0. 200	30
209	1C	Potatoes/white-peeled	0. 011000	1. 000	0. 200	30
210	1C	Potatoes/white-dry	0. 001100	6. 500	1. 000	
211	1C	Potatoes/white-peeled only	0. 011000	1. 000	0. 200	30
217	3	Shallots	0. 050000	1. 000	1. 000	18
233	6B	Beans-succulent-lima				
	11-Uncooked	2. 000000	1. 000	1. 000	24	
	12-Cooked: NFS	2. 000000	1. 000	1. 000	24	
	14-Boiled	2. 000000	1. 000	1. 000	24	
	32-Canned: Cooked	2. 000000	0. 830	1. 000	24	
	42-Frozen: Cooked	2. 000000	0. 720	1. 000	24	
	44-Frozen: Boiled	2. 000000	0. 720	1. 000	24	
234	6A	Beans-succulent-green				
	11-Uncooked	2. 000000	1. 000	1. 000	24	
	12-Cooked: NFS	2. 000000	1. 000	1. 000	24	
	14-Boiled	2. 000000	1. 000	1. 000	24	
	31-Canned: NFS	2. 000000	0. 830	1. 000	24	
	32-Canned: Cooked	2. 000000	0. 830	1. 000	24	
	34-Canned: Boiled	2. 000000	0. 830	1. 000	24	
	42-Frozen: Cooked	2. 000000	0. 720	1. 000	24	
	44-Frozen: Boiled	2. 000000	0. 720	1. 000	24	
	51-Cured: NFS (smoked/p	2. 000000	1. 000	1. 000	24	
235	6A	Beans-succulent-other				
	34-Canned: Boiled	2. 000000	0. 830	1. 000	24	
236	6A	Beans-succulent-yellow/wax				
	14-Boiled	2. 000000	1. 000	1. 000	24	
	32-Canned: Cooked	2. 000000	0. 830	1. 000	24	

		42-Frozen: Cooked	2.000000	0.720	1.000	24
248 0		Al fal fa sprouts	0.020000	0.410	1.000	
250 6B		Beans-succulent-broadbeans	2.000000	1.000	1.000	24
253 6		Beans-unspecified	2.000000	1.000	1.000	24
257 0		Beans-succulent-hyacinth	2.000000	1.000	1.000	24
262 3		Onions-green				
		11-Uncooked	0.550000	1.000	1.000	19
		12-Cooked: NFS	0.550000	1.000	1.000	19
		13-Baked	0.550000	1.000	1.000	19
		14-Boiled	0.550000	1.000	1.000	19
		15-Fried	0.550000	1.000	1.000	19
		31-Canned: NFS	0.011000	1.000	1.000	19
		32-Canned: Cooked	0.011000	1.000	1.000	19
290 0		Cottonseed-oil	0.500000	1.000	1.000	
291 0		Cottonseed-meal	0.500000	1.000	1.000	
377 11		Apples-juice-concentrate				
		12-Cooked: NFS	0.010000	3.000	1.000	9
		13-Baked	0.010000	3.000	1.000	9
		31-Canned: NFS	0.010000	3.000	1.000	9
		41-Frozen: NFS	0.010000	3.000	1.000	9
380 13A		Blackberries-juice	0.002000	0.320	1.000	
383 5B		Cabbage-savoy	0.300000	1.000	1.000	16
384 4B		Celery-juice	0.003000	1.000	1.000	
389 0		Cranberries-juice-concentrate	0.020000	0.510	1.000	
392 0		Grapes-juice-concentrate	0.000300	3.600	1.000	
402 12		Peaches-juice	0.020000	0.810	1.000	
404 11		Pears-juice	0.150000	1.000	1.000	9
416 0		Strawberries-juice	0.002500	0.320	1.000	
420 10		Tangerines-juice-concentrate	0.012000	3.200	1.000	20
423 8		Tomatoes-dried	0.041000	7.450	1.000	12
431 14		Walnut-oil	0.029200	1.000	1.000	
436 9A		Watermelon-juice	0.001500	1.000	1.000	25
439 9B		Watermelon	0.001500	1.000	1.000	25
441 10		Grapefruit-juice-concentrate	0.010000	3.000	1.000	20
442 10		Lemons-juice-concentrate	0.179000	2.000	1.000	20
443 10		Limes-juice-concentrate	0.179000	3.000	1.000	20
448 10		Grapefruit-peel	1.500000	1.000	1.000	5
467 19B		Celery-seed	0.003000	1.000	1.000	

## Current Assessment - Results

U. S. Environmental Protection Agency  
 DEEM ACUTE Analysis for AZINPHOS METHYL  
 Residue file: \$newsazmfi n4.RS7 Ver. 7.72  
 (1989-92 data)  
 Adjustment factor #2 NOT used.  
 Analysis Date: 03-29-2001/17: 37: 43 Residue file dated: 03-29-2001/17: 17: 23/8  
 NOEL (Acute) = 1.000000 mg/kg body-wt/day  
 Daily totals for food and foodform consumption used.  
 MC iterations = 1000 MC list in residue file MC seed = 10  
 Run Comment: "New BEAD %CT(March 1999) and using est. Maximum"  
 =====

Summary calculations (per capita):

	95th Percentile Exposure	% aRfD	MOE	99th Percentile Exposure	% aRfD	MOE	99.9th Percentile Exposure	% aRfD	MOE
<hr/>									
U. S. Population:									
0.000181	6.02	5533		0.000449	14.96	2228	0.001285	42.83	778
All infants:									
0.000420	14.00	2380		0.000817	27.24	1223	0.002504	83.48	399
Nursing infants (<1 yr old):									
0.000278	9.26	3598		0.001134	37.82	881	0.003070	102.35	325
Non-nursing infants (<1 yr old):									
0.000441	14.71	2266		0.000750	25.02	1332	0.001899	63.30	526
Children 1-6 yrs:									
0.000423	14.08	2366		0.000925	30.83	1081	0.002403	80.09	416
Children 7-12 yrs:									
0.000274	9.13	3652		0.000614	20.48	1627	0.001595	53.17	626
Females 13+ (preg/not nursing):									
0.000154	5.13	6500		0.000355	11.82	2820	0.000909	30.31	1099
Females 13+ (nursing):									
0.000202	6.73	4955		0.000447	14.89	2239	0.001198	39.95	834
Females 13-19 (not preg or nursing):									
0.000124	4.14	8057		0.000286	9.53	3496	0.000794	26.48	1258
Females 20+ (not preg or nursing):									
0.000115	3.84	8685		0.000297	9.90	3368	0.000952	31.72	1050
Females 13-50 yrs:									
0.000116	3.87	8614		0.000289	9.64	3459	0.000866	28.87	1154
Males 13-19 yrs:									
0.000123	4.11	8114		0.000275	9.18	3631	0.000798	26.60	1253
Males 20+ yrs:									
0.000107	3.56	9354		0.000271	9.04	3686	0.000814	27.14	1228
Seniors 55+:									
0.000123	4.11	8113		0.000314	10.47	3183	0.000999	33.31	1000

## ATTACHMENT 2

### Previous Acute Assessment - Residue File

U. S. Environmental Protection Agency

Ver. 7.72

DEEM Acute analysis for AZINPHOS METHYL

Residue file name: E:\MAX\_NEW\\$sazmfin3.RS7

Analysis Date 04-19-2001

Residue file dated: 04-19-2001/14:25:56/8

Reference dose: aRfD = 0.003 mg/kg bw/day NOEL = 1 mg/kg bw/day

Comment: New BEAD %CT(March 1999) and using est. Maximum

RDL indices and parameters for Monte Carlo Analysis:

Index #	Dist Code	Parameter #1	Param #2	Param #3	Comment
---------	-----------	--------------	----------	----------	---------

1	6	1fdarasp.	rdf
2	6	1fdablub.	rdf
3	6	Grpehans.	rdf
4	6	1fdastrw.	rdf
5	6	Grfrhans.	rdf
6	6	Lemohans.	rdf
7	6	Citrhans.	rdf
8	6	ssappl e2.	rdf
9	6	Pdpappj c.	rdf
10	6	sspear2.	rdf
11	6	Peachan2.	rdf
12	6	TomaFres.	rdf
13	6	Cel ehans.	rdf
14	6	Brochans.	rdf
15	6	Brushans.	rdf
16	6	Cabboth.	rdf
17	6	Caul hans.	rdf
18	6	Dryoni on.	rdf
19	6	Gronion.	rdf
20	6	Pdpoj .	rdf
21	6	Sscrabap.	rdf
22	6	Ornghans.	rdf
23	6	Ssquinc.	rdf
24	6	Grbn.	rdf
25	6	mel on.	rdf
26	6	cucumb.	rdf
27	6	Cantel op.	rdf
28	6	Nectarin.	rdf
29	6	Pl umhans.	rdf
30	6	potato.	rdf
31	6	TomaProc.	rdf
32	6	honeyde.	rdf
33	6	Scherry.	rdf
34	6	Tcherry.	rdf

Food Code	Crop Grp	Food Name	Def Res (ppm)	Adj. Factors #1	Adj. Factors #2	RDL Ind
1	13A	Bl ackberries				
		11-Uncooked	0.730000	0.370	1.000	1
		13-Baked	0.730000	0.370	1.000	1
		14-Boiled	0.730000	0.370	1.000	1
		31-Canned: NFS	0.730000	0.140	1.000	1
		34-Canned: Boiled	0.730000	0.140	1.000	1
		41-Frozen: NFS	0.730000	0.310	1.000	1

2	13A	Boysenberries		0.730000	0.370	1.000	1
3	13A	Dewberries		0.730000	0.370	1.000	1
4	13A	Loganberries		0.730000	0.370	1.000	1
5	13A	Raspberries		0.730000	0.370	1.000	1
		11-Uncooked		0.730000	0.370	1.000	1
		13-Baked		0.730000	0.370	1.000	1
		14-Boiled		0.730000	0.370	1.000	1
		31-Canned: NFS		0.730000	0.140	1.000	1
		34-Canned: Boiled		0.730000	0.140	1.000	1
		41-Frozen: NFS		0.730000	0.140	1.000	1
7	13B	Blueberries		0.300000	0.370	1.000	2
		11-Uncooked		0.300000	0.370	1.000	2
		12-Cooked: NFS		0.300000	0.370	1.000	2
		13-Baked		0.300000	0.370	1.000	2
		14-Boiled		0.300000	0.370	1.000	2
		15-Fried		0.300000	0.370	1.000	2
		31-Canned: NFS		0.300000	0.140	1.000	2
		41-Frozen: NFS		0.300000	0.310	1.000	2
8	0	Cranberries		0.020000	0.370	1.000	
		11-Uncooked		0.020000	0.370	1.000	
		12-Cooked: NFS		0.020000	0.370	1.000	
		13-Baked		0.020000	0.370	1.000	
		18-Dried		0.020000	0.370	1.000	
		31-Canned: NFS		0.020000	0.140	1.000	
		42-Frozen: Cooked		0.020000	0.310	1.000	
9	0	Cranberries-juice		0.020000	0.320	1.000	
13	0	Grapes		7.200000	1.000	1.000	3
		11-Uncooked		7.200000	1.000	1.000	3
		12-Cooked: NFS		0.000000	1.000	1.000	
		14-Boiled		0.330000	0.380	1.000	3
		31-Canned: NFS		0.330000	0.860	1.000	3
		41-Frozen: NFS		0.330000	0.310	1.000	
14	0	Grapes-raisins		0.330000	4.300	1.000	3
15	0	Grapes-juice		0.000300	1.200	1.000	
17	0	Strawberries		1.300000	0.370	1.000	4
		11-Uncooked		0.432000	0.370	1.000	4
		13-Baked		0.432000	0.370	1.000	4
		14-Boiled		0.432000	0.370	1.000	4
		31-Canned: NFS		0.432000	0.140	1.000	4
		34-Canned: Boiled		0.432000	0.140	1.000	4
		41-Frozen: NFS		0.432000	0.310	1.000	4
20	10	Citrus-citron		0.013000	1.000	1.000	7
22	10	Grapefruit-peeled fruit		1.500000	1.000	1.000	5
23	10	Grapefruit-juice		0.010200	1.000	1.000	20
24	10	Kumquats		0.013000	1.000	1.000	7
26	10	Lemons-peeled fruit		1.500000	1.000	1.000	6
27	10	Lemons-peel		1.500000	1.000	1.000	6
28	10	Lemons-juice		0.179000	1.000	1.000	20
30	10	Limes-peeled fruit		1.500000	1.000	1.000	7
31	10	Limes-peel		1.500000	1.000	1.000	7
32	10	Limes-juice		0.179000	1.000	1.000	20
33	10	Oranges-juice-concentrate		0.013000	4.900	1.000	20
34	10	Oranges-peeled fruit		1.500000	1.000	1.000	22
35	10	Oranges-peel		1.500000	1.000	1.000	22
36	10	Oranges-juice		0.013000	1.000	1.000	20
		11-Uncooked		0.013000	1.000	1.000	20
		12-Cooked: NFS		0.013000	1.000	1.000	20
		14-Boiled		0.000000	1.800	1.000	
		31-Canned: NFS		0.013000	1.000	1.000	20
		41-Frozen: NFS		0.013000	1.000	1.000	20

37	10	Tangel os	1. 500000	1. 000	1. 000	7
38	10	Tangeri nes	1. 500000	1. 000	1. 000	7
39	10	Tangeri nes-j ui ce	0. 013000	1. 000	1. 000	20
40	14	Almonds	0. 004000	1. 000	1. 000	
44	14	Filberts (hazel nuts)	0. 015600	1. 000	1. 000	
47	14	Pecans	0. 001200	1. 000	1. 000	
48	14	Wal nuts	0. 029200	1. 000	1. 000	
50	0	Pistachio nuts	0. 001200	1. 000	1. 000	
52	11	Apples				
		11-Uncooked	1. 270000	1. 000	1. 000	8
		12-Cooked: NFS	1. 270000	1. 000	1. 000	8
		13-Baked	1. 270000	1. 000	1. 000	8
		14-Boiled	0. 037000	0. 360	1. 000	
		15-Fried	1. 270000	1. 000	1. 000	8
		18-Dried	0. 000000	1. 000	1. 000	
		31-Canned: NFS	0. 037000	0. 360	1. 000	
		32-Canned: Cooked	0. 037000	0. 360	1. 000	
		33-Canned: Baked	0. 037000	0. 360	1. 000	
		34-Canned: Boiled	0. 037000	0. 360	1. 000	
		42-Frozen: Cooked	0. 153000	0. 360	1. 000	8
53	11	Apples-dried	0. 153000	5. 840	1. 000	8
54	11	Apples-j uice/cider	0. 010000	1. 000	1. 000	9
55	11	Crabapples	1. 270000	1. 000	1. 000	21
56	11	Pears				
		11-Uncooked	1. 270000	1. 000	1. 000	10
		12-Cooked: NFS	0. 059000	1. 000	1. 000	
		13-Baked	1. 270000	1. 000	1. 000	10
		14-Boiled	0. 059000	1. 000	1. 000	
		31-Canned: NFS	0. 059000	0. 360	1. 000	
57	11	Pears-dried				
		13-Baked	0. 150000	5. 800	1. 000	10
		14-Boiled	0. 059000	5. 800	1. 000	10
		18-Dried	0. 000000	1. 000	1. 000	
58	11	Quinces	1. 270000	1. 000	1. 000	23
61	12	Cherries				
		11-Uncooked	1. 190000	0. 370	1. 000	33
		12-Cooked: NFS	1. 640000	0. 370	1. 000	34
		13-Baked	1. 640000	0. 370	1. 000	34
		14-Boiled	1. 640000	0. 370	1. 000	34
		31-Canned: NFS	1. 640000	0. 037	1. 000	34
		33-Canned: Baked	1. 640000	0. 037	1. 000	34
		41-Frozen: NFS	1. 640000	0. 310	1. 000	34
62	12	Cherries-dried	1. 190000	2. 160	1. 000	33
63	12	Cherries-j uice				
		13-Baked	0. 050000	0. 320	1. 000	
		14-Boiled	0. 050000	0. 320	1. 000	
		31-Canned: NFS	0. 050000	0. 120	1. 000	
		41-Frozen: NFS	0. 050000	0. 280	1. 000	
64	12	Nectaries	0. 790000	1. 000	1. 000	28
65	12	Peaches				
		11-Uncooked	0. 260000	1. 000	1. 000	11
		12-Cooked: NFS	0. 260000	1. 000	1. 000	11
		13-Baked	0. 260000	1. 000	1. 000	11
		14-Boiled	0. 020000	0. 360	1. 000	
		31-Canned: NFS	0. 020000	0. 360	1. 000	
		41-Frozen: NFS	0. 190000	0. 360	1. 000	11
66	12	Peaches-dried	0. 260000	7. 000	1. 000	11
67	12	Plums (damsons)				
		11-Uncooked	0. 890000	1. 000	1. 000	29
		12-Cooked: NFS	0. 890000	1. 000	1. 000	29
		31-Canned: NFS	0. 020000	0. 360	1. 000	

		42-Frozen: Cooked	0. 020000	0. 360	1. 000	29
		51-Cured: NFS (smoked/p	0. 020000	1. 000	1. 000	29
68 12	Plums-prunes (dried)		0. 020000	5. 000	1. 000	29
69 12	Plums/prune-juice		0. 010400	1. 400	1. 000	
141 9A	Melons-cantaloupes-juice		0. 001500	1. 000	1. 000	
142 9A	Melons-cantaloupes-pulp		0. 001500	1. 000	1. 000	27
143 9A	Casabas		0. 001500	1. 000	1. 000	25
144 9A	Crenshaws		0. 001500	0. 031	1. 000	25
145 9A	Melons-honeydew		0. 001500	1. 000	1. 000	32
146 9A	Melons-persian		0. 001500	1. 000	1. 000	25
147 9A	Watermelon		0. 001500	1. 000	1. 000	25
148 9B	Cucumbers					
	11-Uncooked		0. 001500	0. 410	1. 000	26
	34-Canned: Boiled		0. 001500	0. 004	1. 000	26
	60-Canned: Cured		0. 001500	0. 004	1. 000	26
159 8	Tomatoes-whole					
	11-Uncooked		1. 530000	1. 000	1. 000	12
	12-Cooked: NFS		1. 530000	1. 000	1. 000	12
	13-Baked		1. 530000	1. 000	1. 000	12
	14-Boiled		1. 530000	1. 000	1. 000	12
	15-Fried		1. 530000	1. 000	1. 000	12
	31-Canned: NFS		0. 041000	1. 000	1. 000	31
	32-Canned: Cooked		0. 041000	1. 000	1. 000	31
	33-Canned: Baked		0. 041000	1. 000	1. 000	31
	34-Canned: Boiled		0. 041000	1. 000	1. 000	31
	42-Frozen: Cooked		0. 041000	1. 000	1. 000	31
160 8	Tomatoes-juice					
	31-Canned: NFS		0. 003100	0. 004	1. 000	
	32-Canned: Cooked		0. 003100	0. 004	1. 000	
	34-Canned: Boiled		0. 003100	0. 004	1. 000	
	42-Frozen: Cooked		0. 003100	0. 316	1. 000	
161 8	Tomatoes-puree					
	12-Cooked: NFS		0. 003100	0. 020	1. 000	
	14-Boiled		0. 003100	0. 020	1. 000	
	31-Canned: NFS		0. 003100	0. 000	1. 000	
	32-Canned: Cooked		0. 003100	0. 000	1. 000	
	33-Canned: Baked		0. 003100	0. 000	1. 000	
	34-Canned: Boiled		0. 003100	0. 000	1. 000	
	42-Frozen: Cooked		0. 003100	0. 014	1. 000	
162 8	Tomatoes-paste					
	14-Boiled		0. 003100	0. 010	1. 000	
	31-Canned: NFS		0. 003100	0. 000	1. 000	
	32-Canned: Cooked		0. 003100	0. 000	1. 000	
	33-Canned: Baked		0. 003100	0. 000	1. 000	
	34-Canned: Boiled		0. 003100	0. 000	1. 000	
	42-Frozen: Cooked		0. 003100	0. 007	1. 000	
163 8	Tomatoes-catsup		0. 003100	0. 020	1. 000	
166 4B	Celery					
	11-Uncooked		0. 900000	1. 000	1. 000	13
	12-Cooked: NFS		0. 900000	1. 000	1. 000	13
	13-Baked		0. 900000	1. 000	1. 000	13
	14-Boiled		0. 900000	1. 000	1. 000	13
	15-Fried		0. 900000	1. 000	1. 000	13
	31-Canned: NFS		0. 518000	0. 830	1. 000	13
	32-Canned: Cooked		0. 518000	0. 830	1. 000	13
	34-Canned: Boiled		0. 518000	0. 830	1. 000	13
	42-Frozen: Cooked		0. 518000	0. 720	1. 000	13
168 5A	Broccoli					
	11-Uncooked		0. 940000	1. 000	1. 000	14
	12-Cooked: NFS		0. 940000	1. 000	1. 000	14
	13-Baked		0. 940000	1. 000	1. 000	14

		14-Boiled	0. 940000	1. 000	1. 000	14
		15-Fried	0. 940000	1. 000	1. 000	14
		32-Canned: Cooked	0. 010000	0. 830	1. 000	14
		42-Frozen: Cooked	0. 010000	0. 720	1. 000	14
		44-Frozen: Boiled	0. 010000	0. 720	1. 000	14
169 5A	Brussel's sprouts		0. 750000	1. 000	1. 000	15
170 5A	Cabbage-green and red					
	11-Uncooked	0. 300000	1. 000	1. 000	16	
	12-Cooked: NFS	0. 300000	1. 000	1. 000	16	
	13-Baked	0. 300000	1. 000	1. 000	16	
	14-Boiled	0. 300000	1. 000	1. 000	16	
	15-Fried	0. 300000	1. 000	1. 000	16	
	31-Canned: NFS	0. 010000	0. 830	1. 000	16	
	32-Canned: Cooked	0. 010000	0. 830	1. 000	16	
	51-Cured: NFS (smoked/p	0. 010000	1. 000	1. 000	16	
171 5A	Cauliflower					
	11-Uncooked	0. 940000	1. 000	1. 000	17	
	12-Cooked: NFS	0. 940000	1. 000	1. 000	17	
	14-Boiled	0. 940000	1. 000	1. 000	17	
	15-Fried	0. 940000	1. 000	1. 000	17	
	42-Frozen: Cooked	0. 010000	1. 000	1. 000	17	
195 0	Grapes-leaves		7. 200000	0. 370	1. 000	3
204 3	Leeks		0. 550000	0. 410	1. 000	19
205 3	Onions-dry-bulb (cipollini)					
	11-Uncooked	0. 050000	1. 000	1. 000	18	
	12-Cooked: NFS	0. 050000	1. 000	1. 000	18	
	13-Baked	0. 050000	1. 000	1. 000	18	
	14-Boiled	0. 050000	1. 000	1. 000	18	
	15-Fried	0. 050000	1. 000	1. 000	18	
	31-Canned: NFS	0. 013000	1. 000	1. 000	18	
	32-Canned: Cooked	0. 013000	1. 000	1. 000	18	
	34-Canned: Boiled	0. 013000	1. 000	1. 000	18	
	42-Frozen: Cooked	0. 013000	1. 000	1. 000	18	
	43-Frozen: Baked	0. 013000	1. 000	1. 000	18	
	44-Frozen: Boiled	0. 013000	1. 000	1. 000	18	
	51-Cured: NFS (smoked/p	0. 000000	1. 000	1. 000		
	60-Canned: Cured	0. 013000	1. 000	1. 000	18	
206 3	Onions-dehydrated or dried		0. 013000	9. 000	1. 000	18
207 1C	Potatoes/white-whole		0. 011000	1. 000	0. 200	30
208 1C	Potatoes/white-unspecified		0. 011000	1. 000	0. 200	30
209 1C	Potatoes/white-peeled		0. 011000	1. 000	0. 200	30
210 1C	Potatoes/white-dry		0. 001100	6. 500	1. 000	
211 1C	Potatoes/white-peel only		0. 011000	1. 000	0. 200	30
217 3	Shallots		0. 050000	1. 000	1. 000	18
233 6B	Beans-succulent-lima					
	11-Uncooked	2. 000000	1. 000	1. 000	24	
	12-Cooked: NFS	2. 000000	1. 000	1. 000	24	
	14-Boiled	2. 000000	1. 000	1. 000	24	
	32-Canned: Cooked	2. 000000	0. 830	1. 000	24	
	42-Frozen: Cooked	2. 000000	0. 720	1. 000	24	
	44-Frozen: Boiled	2. 000000	0. 720	1. 000	24	
234 6A	Beans-succulent-green					
	11-Uncooked	2. 000000	1. 000	1. 000	24	
	12-Cooked: NFS	2. 000000	1. 000	1. 000	24	
	14-Boiled	2. 000000	1. 000	1. 000	24	
	31-Canned: NFS	2. 000000	0. 830	1. 000	24	
	32-Canned: Cooked	2. 000000	0. 830	1. 000	24	
	34-Canned: Boiled	2. 000000	0. 830	1. 000	24	
	42-Frozen: Cooked	2. 000000	0. 720	1. 000	24	
	44-Frozen: Boiled	2. 000000	0. 720	1. 000	24	
	51-Cured: NFS (smoked/p	2. 000000	1. 000	1. 000	24	

235	6A	Beans-succulent-other 34-Canned: Boiled	2.000000	0.830	1.000	24
236	6A	Beans-succulent-yellow/wax 14-Boiled	2.000000	1.000	1.000	24
		32-Canned: Cooked	2.000000	0.830	1.000	24
		42-Frozen: Cooked	2.000000	0.720	1.000	24
248	0	Alfalfa sprouts	0.020000	0.410	1.000	
250	6B	Beans-succulent-broadbeans	2.000000	1.000	1.000	24
253	6	Beans-unspecified	2.000000	1.000	1.000	24
257	0	Beans-succulent-hyacinth	2.000000	1.000	1.000	24
262	3	Onions-green 11-Uncooked	0.550000	1.000	1.000	19
		12-Cooked: NFS	0.550000	1.000	1.000	19
		13-Baked	0.550000	1.000	1.000	19
		14-Boiled	0.550000	1.000	1.000	19
		15-Fried	0.550000	1.000	1.000	19
		31-Canned: NFS	0.011000	1.000	1.000	19
		32-Canned: Cooked	0.011000	1.000	1.000	19
290	0	Cottonseed-oil	0.500000	1.000	1.000	
291	0	Cottonseed-meal	0.500000	1.000	1.000	
377	11	Apples-juice-concentrate 12-Cooked: NFS	0.010000	3.000	1.000	9
		13-Baked	0.010000	3.000	1.000	9
		31-Canned: NFS	0.010000	3.000	1.000	9
		41-Frozen: NFS	0.010000	3.000	1.000	9
380	13A	Blackberries-juice	0.002000	0.320	1.000	
383	5B	Cabbage-savoy	0.300000	1.000	1.000	16
384	4B	Celery-juice	0.003000	1.000	1.000	
389	0	Cranberries-juice-concentrate	0.020000	0.510	1.000	
392	0	Grapes-juice-concentrate	0.000300	3.600	1.000	
402	12	Peaches-juice	0.020000	0.810	1.000	
404	11	Pears-juice	0.150000	1.000	1.000	9
416	0	Strawberries-juice	0.002500	0.320	1.000	
420	10	Tangerines-juice-concentrate	0.012000	3.200	1.000	20
423	8	Tomatoes-dried	0.041000	7.450	1.000	12
431	14	Walnut oil	0.029200	1.000	1.000	
436	9A	Watermelon-juice	0.001500	1.000	1.000	25
439	9B	Wintermelon	0.001500	1.000	1.000	25
441	10	Grapefruit-juice-concentrate	0.010000	3.000	1.000	20
442	10	Lemons-juice-concentrate	0.179000	2.000	1.000	20
443	10	Limes-juice-concentrate	0.179000	3.000	1.000	20
448	10	Grapefruit-peel	1.500000	1.000	1.000	5
467	19B	Celery-seed	0.003000	1.000	1.000	

## Previous Assessment - Results

U. S. Environmental Protection Agency  
 DEEM ACUTE Analysis for AZINPHOS METHYL  
 Residue file: \$sazmfin3.RS7 Ver. 7.72  
 (1989-92 data)  
 Adjustment factor #2 NOT used.  
 Analysis Date: 04-19-2001/14:44:39 Residue file dated: 04-19-2001/14:25:56/8  
 NOEL (Acute) = 1.000000 mg/kg body-wt/day  
 Daily totals for food and foodform consumption used.  
 MC iterations = 1000 MC list in residue file MC seed = 10  
 Run Comment: "New BEAD %CT(March 1999) and using est. Maximum"  
 =====

Summary calculations (per capita):

	95th Percentile Exposure	% aRfD	MOE	99th Percentile Exposure	% aRfD	MOE	99.9th Percentile Exposure	% aRfD	MOE
<hr/>									
U. S. Population:									
0.000177	5.91	5642		0.000491	16.37	2036	0.001725	57.52	579
All infants:									
0.000429	14.31	2328		0.000764	25.46	1309	0.002865	95.50	349
Nursing infants (<1 yr old):									
0.000291	9.70	3436		0.001250	41.66	800	0.003775	125.85	264
Non-nursing infants (<1 yr old):									
0.000441	14.71	2265		0.000671	22.35	1491	0.001706	56.88	586
Children 1-6 yrs:									
0.000409	13.64	2443		0.001028	34.28	972	0.003851	128.36	259
Children 7-12 yrs:									
0.000259	8.62	3867		0.000703	23.44	1421	0.002631	87.71	380
Females 13+ (preg/not nursing):									
0.000141	4.72	7067		0.000401	13.35	2496	0.001440	48.01	694
Females 13+ (nursing):									
0.000195	6.51	5116		0.000524	17.46	1908	0.001671	55.71	598
Females 13-19 (not preg or nursing):									
0.000119	3.97	8396		0.000298	9.92	3359	0.001317	43.90	759
Females 20+ (not preg or nursing):									
0.000109	3.64	9155		0.000338	11.26	2961	0.001296	43.20	771
Females 13-50 yrs:									
0.000110	3.68	9055		0.000313	10.43	3197	0.001272	42.40	786
Males 13-19 yrs:									
0.000118	3.93	8476		0.000287	9.56	3485	0.001198	39.95	834
Males 20+ yrs:									
0.000101	3.38	9874		0.000301	10.04	3319	0.001130	37.66	885
Seniors 55+:									
0.000117	3.90	8550		0.000379	12.63	2640	0.001304	43.46	767